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报告编号
Reference No



CT18-04401

中国认可
国际互认
检测
TESTING
CNAS L0207

检测报告

Test Report

样品名称

Name of sample

Fire Resisting Data Cable

样品型号

Type of sample

CALEDONIAN FFX-CAT6UTP-FR

委托方

Consigner

CALEDONIAN CABLES LIMITED

试验类型

Kind of test

Commission Test



国家电线电缆质量监督检验中心

CHINA NATIONAL CENTRE FOR QUALITY
SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

地址：上海市军工路1000号

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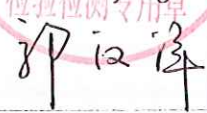

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China National Centre for Quality Supervision and Test of Electric Wire and Cable
Test Report

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Kind of test	Commission Test	Reference No.	CT18-04401		
Name of sample	Fire Resisting Data Cable				
Type and Size	CALEDONIAN FFX-CAT6UTP-FR 4PR23AWG		Date of test	2018-07-11 ~ 2018-08-12	
Consigner	Name	CALEDONIAN CABLES LIMITED			
	Address	1/F, CMA Building, 64-66 Connaught Road Central, Hong Kong			
	Tel.	852 2116-1040	P.C.	/	Unit No. 000266-6
Manufacturer	Name	CALEDONIAN (SHANDONG) CABLES LIMITED			
	Address	NORTHEAST PLANT, INSIDE OF DIANLIU INDUSTRIAL PARK, SHIZI PARK, DONGJIA TOWN, LICHENG DISTRICT, JINAN CITY, SHANDONG PROVINCE			
	Tel.	/	P.C.	/	Unit No. 000266-2
Delivering mode	Supplied by consigner	Sample state at receiving	Normal	Receiving date	2018-07-09
Test standard	See Page 2				
Verdict standard	See Page 2				
Conclusion	The test items of the halogen acid contents of the insulation material and the sheath material comply with the requirements of the technical specification provided by the consigner. The test item of the vertical flame propagation for a single cable complies with the requirements of IEC 60332-1-2:2015. The test item of the smoke density of cable complies with the requirement of IEC 61034-2:2013. The test item of the circuit integrity under fire conditions complies with the requirements of IEC 60331-23:1999.				
Note	1. The sample's name, type and size, the manufacturer's information are provided by the consigner. 2. The note required and provided by the consigner: Cable marking: CALEDONIAN FFX-CAT6UTP4P23FR CU/PE+SR/MICA/LSZH YR2018 XXXXM 3. The test item of the circuit integrity under fire conditions has been carried out at No. 233, Zhenkang Road, Zhangyan Town, Jinshan District, Shanghai.				
Tested by	Chen Zhigang 	Checked by	Guo Hanyang 	Approved by	Ye Qinghua 
Date	2018.8.21.	Date	2018.8.22	Date	2018.8.22

Type and size	CALEDONIAN FFX-CAT6UTP-FR 4PR23AWG	Reference No.	CT18-04401
<p>Test standard:</p> <ol style="list-style-type: none"> 1. IEC 60331-23:1999 Tests for electric cables under fire conditions-Circuit integrity Part 23: Procedures and requirements-Electric data cables 2. IEC 61034-2:2013 Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements 3. IEC 60332-1-2:2015 Test on electric and optical fiber cables under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable Procedure for 1kW pre-mixed flame 4. IEC 60754-1:2011 Test on gases evolved during combustion of materials from cables Part 1: Determination of the halogen acid gas content 			
<p>Verdict standard:</p> <ol style="list-style-type: none"> 1. IEC 60331-23:1999 Tests for electric cables under fire conditions-Circuit integrity Part 23: Procedures and requirements-Electric data cables 2. IEC 61034-2:2013 Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements 3. IEC 60332-1-2:2015 Test on electric and optical fiber cables under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable Procedure for 1kW pre-mixed flame 4. The technical specification provided by the consigner 			

between the lower edge of the support and the lower onset of smoke	mm	not greater than 540	500
evolved during burning of material from cable			
material			
acid content	%	max. 0.5	≤ 0.5
aluminum content	%	max. 0.5	≤ 0.5
of smoke density of cable			
light transmittance	%	min. 60	93
cables under fire		1) The testing voltage is maintained	passed
circuit integrity-Fire alone			

"N" means this item does not require to the verdict.